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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/918,433	08/01/2001	Atsushi Chida	0020-4887P	4709
2292	7590	10/22/2003		
BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747				
			EXAMINER NGUYEN, DANNY	
			ART UNIT 2836	PAPER NUMBER

DATE MAILED: 10/22/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/918,433

Applicant(s)

CHIDA, ATSUSHI

Examiner

Danny Nguyen

Art Unit

2836

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 August 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-3, 5-9, 11-13, 15-17, 20, 21 are rejected under 35 U.S.C. 102(b) as being anticipated by Kluitmans et al. (USPN 5,065,226).

Regarding to claims 1, 8, 13, 17, 20, 21, Kluitmans et al. disclose a protection circuit for a semiconductor laser (see fig. 5) comprises a coil (including Lig and Lbg) connected in series with the semiconductor laser device (LD), a first capacitor (Cs) and a second capacitor (Ctg) that are connected in parallel with the laser device (LD) on the opposite of the coil, the first capacitor and the second capacitor being a capacitor in which low frequency capacitor (Ctg) and a high frequency capacitor (Cs) connected in parallel, wherein expending the frequency region for the low impedance using two different capacitors whose impedance are low in frequency region. Note Kluitmans teaches two different capacitors (such as Ctg and Cs), which have different value (such as Ctg = 0.6 pF and Cs = 0.2 pF shown in fig. 5), therefore, they have different frequency region.

Art Unit: 2836

Regarding to claims 2, 3, 7, Kluitmans et al. disclose one of the first and second capacitor is a low frequency capacitor (Ctg) and the other is a high frequency capacitor (Cs).

Regarding to claims 5, 11, 15, Kluitmans et al. disclose the first and second capacitors and the coil are mounted on a circuit board (circuit board shown in fig. 9) on which the laser device is mounted, the first and second capacitors and the coil are disposed on the vicinity of a terminal of the laser device (shown in fig. 5), the first capacitor is disposed in the vicinity of an input terminal (9) of the circuit board, a metal pattern for grounding (10) to supply current to laser device (LD).

Regarding to claims 6, 12, 16, Kluitmans et al. discloses the circuit board has a plurality of wiring lines (shown in fig. 10) including a wiring line (9) to supply current to the laser device (LD), a metal pattern for grounding (10) to supply current to laser device (LD).

Regarding to claim 9, Kluitmans et al. disclose the low frequency capacitor (Ctg) is placed less closer to the laser device (LD).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 4, 10, 14, are rejected under 35 U.S.C. 103(a) as being unpatentable over Kluitmans et al. in view of Kubota et al. (USPN 6,346,564). Kluitmans et al.

Art Unit: 2836

disclose all limitations of claims 1, 8, and 13 except for having a multilayered chip capacitor and chip coil. Kubota et al. disclose a multilayered chip capacitor and a chip coil (see col. 8, lines 26-32). It would have been obvious to one having skill in the art to modify the circuit of Kluitmans et al. with a multilayered chip capacitor and a chip coil as taught by Kubota et al. in order to perform a circuit pattern precisely in high density and excellent reliability (Kubota et al., col. 3, lines 7-10).

3. Claims 18, 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kluitmans et al. in view of Meier et al. (USPN 5,548,291). Kluitmans et al. disclose all limitations of claims 8, and 13 except for having the first and second capacitors, which have capacitances of 1 and 0.1 microfarad. It would have been obvious to one of ordinary skill in the art at the time the invention was made to select any known values of capacitor as deemed suitable in order to provide a high and frequency in the desired range to reduce electrostatic breakdown voltage.

Response to Arguments

4. Applicant's arguments filed 8/13/2003 have been fully considered but they are not persuasive.

Regarding to amended claim 1, applicant argued that Kluitmans reference does not disclose expending the frequency region for the low impedance using two different capacitors whose impedance are low in frequency region. However, Kluitmans disclose two different capacitors (such as Ctg and Cs shown in fig. 5), which have different,

Art Unit: 2836

value, therefore, they have different frequency region. Thus, the applicant's arguments of claim 1 does not overcome the Kluitmans reference.

Regarding to amended claims 8 and 13, applicant's argued that Kluitmans does not disclose a low frequency capacitor and a high frequency capacitor. However, Kluitmans discloses two different capacitors (such as C_{tg} and C_s shown in fig. 5), which have different value (such as $C_{tg} = 0.6 \text{ pF}$ and $C_s = 0.2 \text{ pF}$). Since C_{tg} is greater than C_s , therefore C_s is a low frequency capacitor and C_{tg} is a high frequency capacitor. Thus, applicant's arguments of claims 8 and 13 do not overcome the Kluitmans reference.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

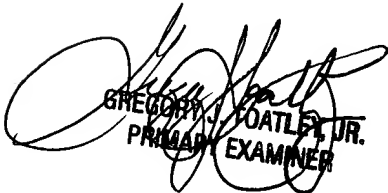
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Danny Nguyen whose telephone number is (703)-305-5988. The examiner can normally be reached on Mon to Fri 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (703)-308-3119. The fax phone numbers for the organization where this application or proceeding is assigned are (703)-872-9306 for regular communications and (703)-872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-308-0956.

DN

DN
October 17, 2003


GREGORY J. COATS, JR.
PRIMARY EXAMINER